



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/600,380	06/19/2003	Kuo-Wei H. Chen	CHEN 8-4-5-14-4(CIP)	8535
46266	7590	10/10/2007		
PRIEST & GOLDSTEIN, PLLC 5015 SOUTHPARK DR SUITE 230 DURHAM, NC 27713			EXAMINER ADDY, THJUAN KNOWLIN	
			ART UNIT 2614	PAPER NUMBER
			MAIL DATE 10/10/2007	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/600,380

Applicant(s)

CHEN ET AL.

Examiner

Thjuan K. Addy

Art Unit

2614

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 16 July 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-3,9-12 and 15-23 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-3,9-12 and 15-23 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 10 October 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

Response to Amendment

1. Applicant's amendment filed on July 16, 2007 has been entered. Claims 1 and 9 have been amended. Claims 4-8, 13, and 14 have been cancelled. Claims 18-23 have been added. Claims 1-3, 9-12, and 15-23 are now pending in this application, with claims 1, 9, and 20 being independent.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-3, 9-12, and 15-23 are rejected under 35 U.S.C. 102(e) as being unpatentable over Tuohino et al (US 7,027,433), in view of Bruno et al (US 6,320,952).
3. In regards to claims 1, 9, 12, 20, 21, and 23, Tuohino discloses a call forwarding method and integrated location management apparatus for routing a call through a plurality of different networks (for example, the networks may be a circuit switched network (CS), a packet switched network (PS), a IP Multimedia Subsystem network (IMS)) (See col. 3 lines 46-56 and col. 4 lines 50-56) comprising: receiving a call in a subscriber's home network (e.g., CS network) (See col. 1 lines 46-52 and col. 5 lines 19-26); assigning a first call identifier (e.g., MSISDN number (E.164 number) for said

call in the subscriber's home network (See col. 5 lines 19-26); determining a second network (e.g., PS network) where the subscriber may be located (See col. 6 lines 5-15); obtaining a second call identifier (e.g., E.164 number) for said call from the second network; obtaining an identification of a first network interface through which said call may be routed; and extending said call from the subscriber's home network through the first network interface into the second network using the first call identifier and the second call identifier (See col. 6 lines 5-36). Tuohino, however, does not disclose receiving a message in an integrated location management component that the call is to be forwarded to a third network; terminating the call to the second network; and extending the call from the first network directly to the third network. Bruno, however, does disclose receiving a message (e.g., transfer message) in an integrated location management component that the call is to be forwarded to a third network (e.g., third destination); terminating the call to the second network (e.g., second destination); and extending the call from the first network (e.g., first destination) directly to the third network (See col. 2 lines 40-62, col. 5 lines 18-53, and Claim 10). Therefore, it would have been obvious for one of ordinary skill in the art at the time of the invention to incorporate these features within the method, as a way of directly transferring a data call to a particular destination through the use of a transfer message and a destination address.

4. In regards to claim 2, Tuohino discloses a method and location management apparatus, further including: storing the first call identifier in association with the second call identifier (See col. 6 lines 5-30).

5. In regards to claims 3 and 11, Tuohino discloses a method and integrated location management apparatus, further including: storing the identification of the first network interface in association with the first call identifier and the second call identifier (See col. 6 lines 5-30).

6. In regards to claim 10, Tuohino discloses an integrated location management apparatus, further including: a database holding location information for said plurality of networks and supporting inter-operability with said different protocols for call forwarding (See col. 6 lines 5-30).

7. In regards to claim 15, Tuohino discloses the method, further comprising: obtaining a third call identifier (e.g., E.164 number) for said call from the third network (e.g., IMS network) (See col. 6 lines 34-59).

8. In regards to claim 16, Tuohino discloses the method, further comprising: storing the third call identifier with an identification (e.g., E.164 number) of the second network (e.g., PS network) interface (See col. 6 lines 34-59).

9. In regards to claim 17, Bruno discloses the integrated location management apparatus, further comprising: means for forwarding the call from the first network to the third network (See col. 5 lines 18-53 and Claim 10).

10. In regards to claim 18, Bruno discloses the method, further comprising: obtaining a second identification (e.g., destination address) of a second network interface through which the call may be routed (See Claim 10).

11. In regard to claim 19, Bruno discloses the method, wherein extending the call from the first network directly to the third network comprises: obtaining a third call

Art Unit: 2614

identifier (e.g., third destination address) for said call from the third network; and extending said call from the subscriber's home network through the second network interface into the third network using the first call identifier (e.g., first destination address) and the third call identifier (See col. 2 lines 40-62 and Claim 10).

12. In regards to claim 22, Bruno discloses the method, wherein the detecting step comprises: receiving a message in an integrated location management component that the call is to be forwarded to a second destination network (See col. 2 lines 40-62).

Response to Arguments

13. Applicant's arguments with respect to claims 1-3, 9-12, and 15-23 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

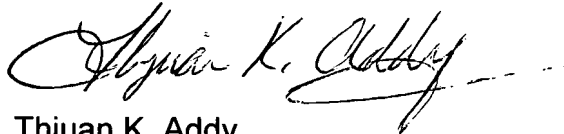
14. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Forte (US Patent Application, Pub. No.: US 2002/0019246 A1) teaches a method and apparatus for communicating via virtual office telephone extensions.

15. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thjuan K. Addy whose telephone number is (571) 272-7486. The examiner can normally be reached on Mon-Fri 8:30-5:00pm.

Art Unit: 2614

16. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ahmad Matar can be reached on (571) 272-7488. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

17. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Thjuan K. Addy
Patent Examiner
AU 2614